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Dziadosz, V.M.

1978

Journal

Paraguay

catalogue

U. M. Dziadosz
1978

El Tirol, 230 m., 19.5 km. NNE Encarnacion, Dpto.
Itapúa, Paraguay.

August 31, 1978

002 ♂ ad. sk. Zonotrichia capensis coll. by A. D. Jacobberger
testis 6x4 mm. no fat Wt. 21 g.

September 1, 1978

3 ♂ ad. sk. Sittasomus griseicapillus coll. by N. K. Johnson
testis 7x7 mm. no fat Wt. 12.7 g.



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El Tirol, 230 m., 19.5 km. NNE Encarnación by road,
Dpto. Itapúa, Paraguay.

31 August

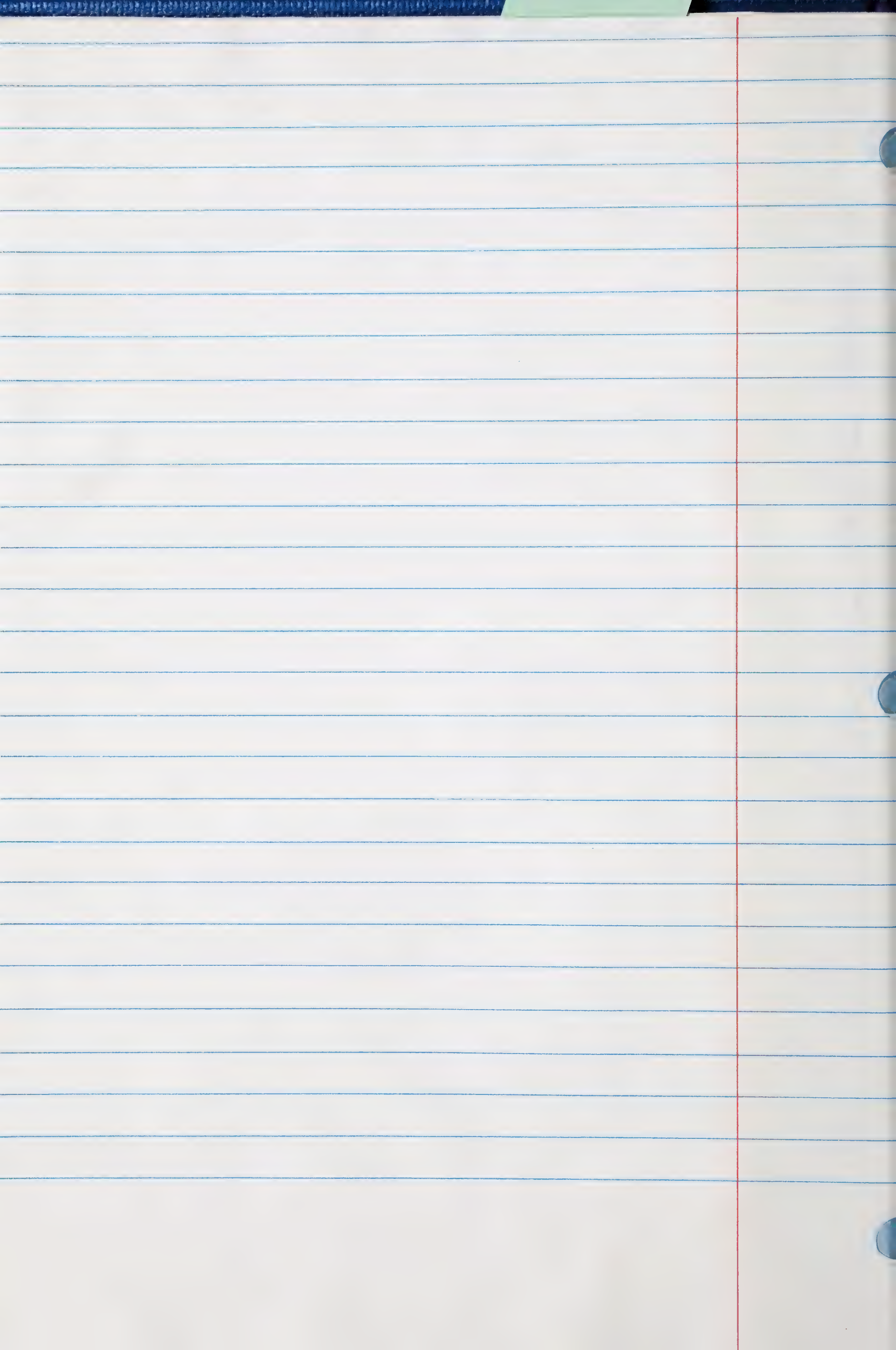
We arrived at Hotel El Tirol last night. This morning Mercedes Foster took Anne Jacobberger, Ned Johnson, Gene Schupp and I on a tour of the El Tirol area. Mercedes has given each of us a map of the El Tirol area which has the names which Bob Jones and she gave to the creeks, paths and landmarks of the area. I will include a copy of the map (which is two pages long) and will refer to places by the names given to them on the map.

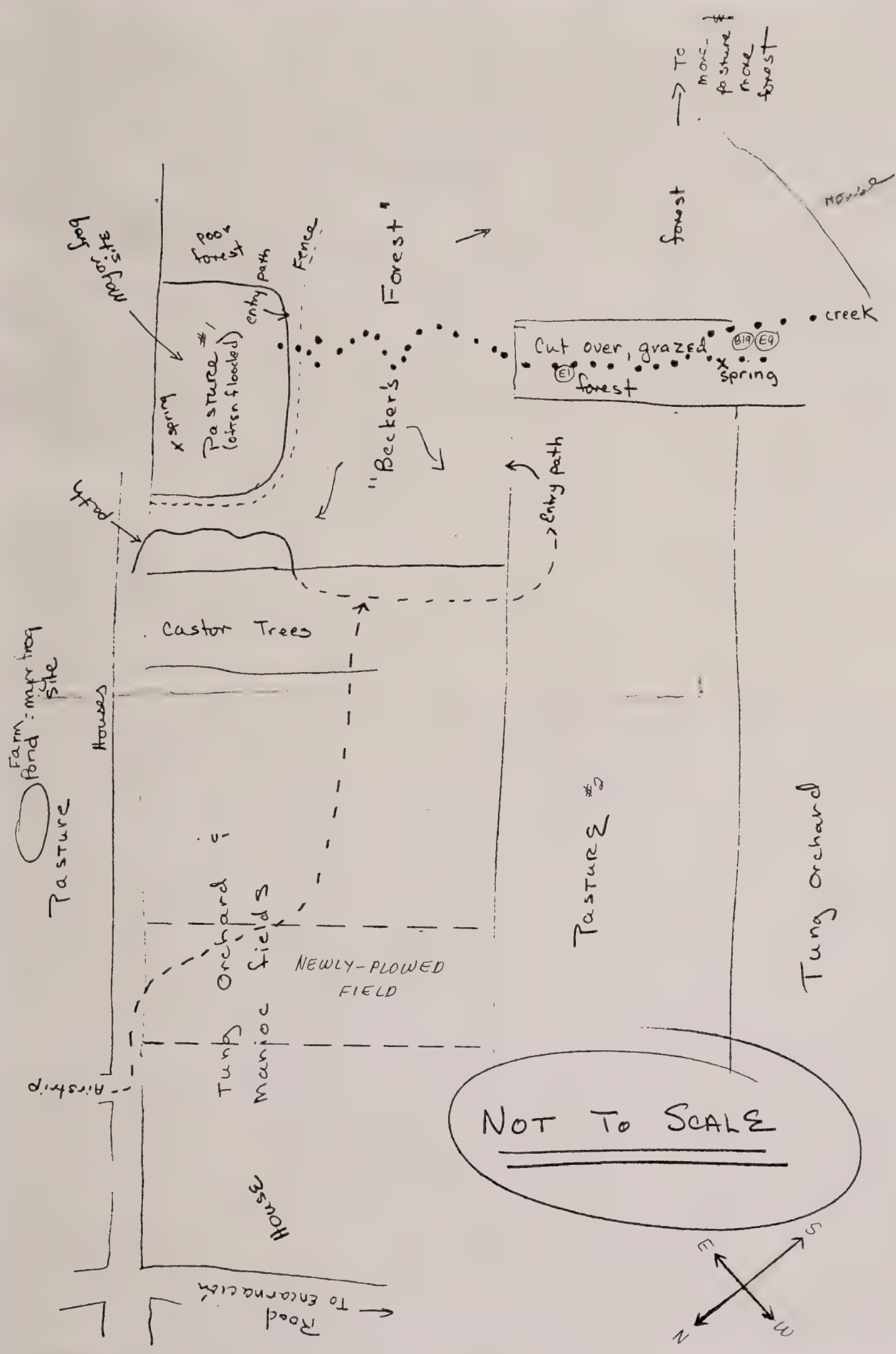
At 13:15 this afternoon I left the hotel to record birds. The equipment I am using is a Uher 4000 Report IC tape recorder powered by nicad rechargeable batteries, a Sennheiser MKH 804 microphone and battery pack, a Uher W214 headset and a Sennheiser windscreen. The weather was clear and cool (approximately 65°F) with medium to strong winds.

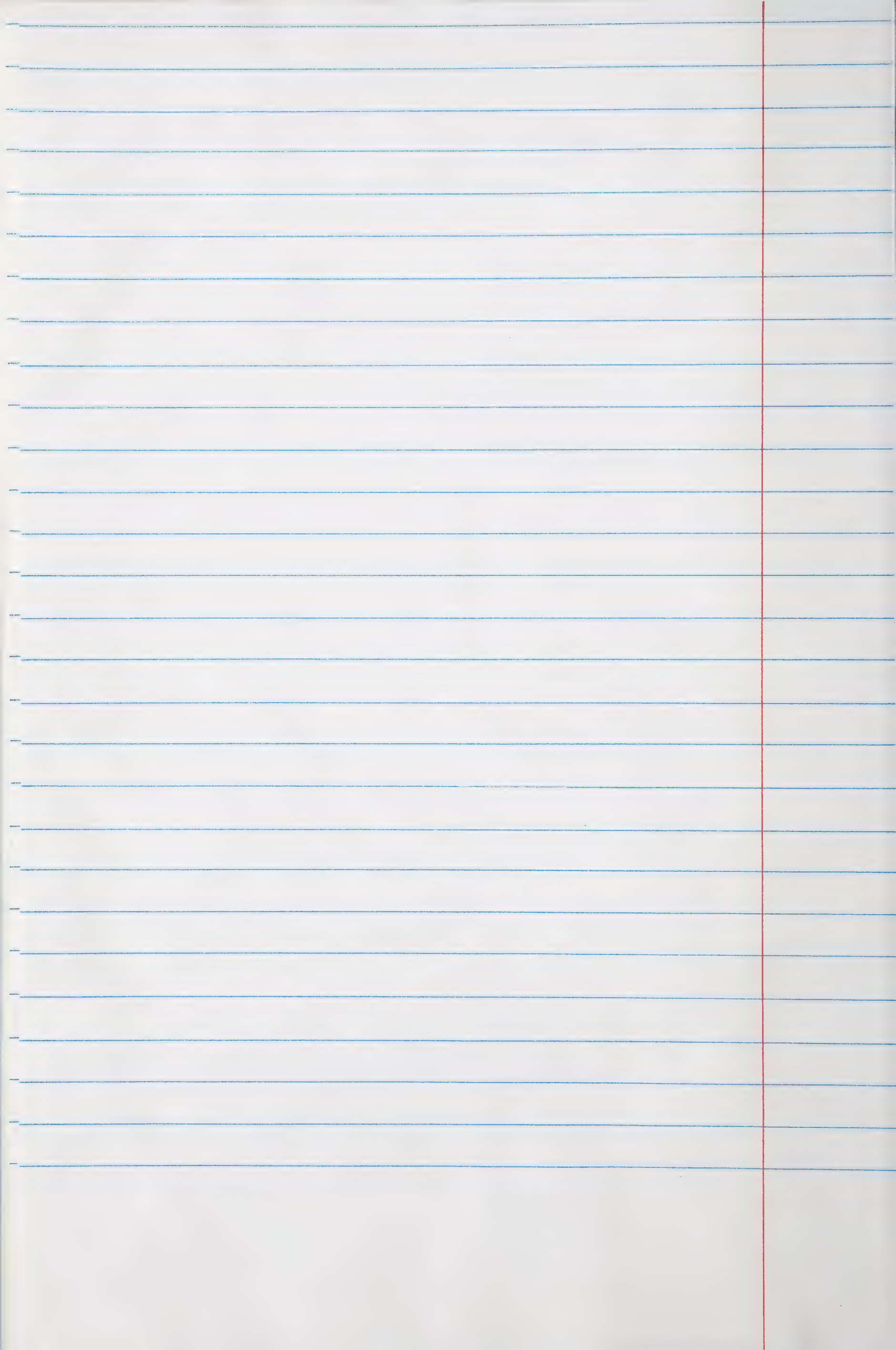
I walked along the airstrip, across the tung orchard and castor trees areas to Becker's forest, and back. There was very little vocalizing going on, though I did get some recordings. I returned to the hotel at 15:45.

NOT TO SCALE









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El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

31 August

While in the hotel I heard some calls being given outside and found there were Gray-breasted Martins (*Progne chalybea*) circling high overhead. I recorded the birds as they flew overhead and while they were roosting inside the porch roof of one of the hotel's rooms.

1 September

Left the hotel at 07:35 today. The weather was cool, with an overcast sky and slight winds.

I took the trails from the hotel to the garbage dump and then took Middle Trail. I turned back on Middle Trail before it crossed Banana Creek, and returned via the same route at 11:00.

From 16:15 to 17:45 I went to the reservoir and airstrip to see if there were any pronounced increase in bird vocalizing towards dusk. Although a number of doves of at least two different species were calling, in general there seemed to be no pronounced increase in vocalizing over what I heard around there yesterday in the late morning and in the afternoon.

2 September

Left the hotel at 05:45 today. The

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2 September weather was cool, with an overcast sky and no^{to} strong winds.

From 05:45 to 07:30 I walked around the Hotel El Tirol buildings, recording. (To simplify identification of the buildings, I am labelling them with numbers on the map. I will also draw in and label structures not shown on the original map.) At 07:45 I left the hotel area and took the following route: from the airstrip to tung orchards and manioc fields, out to the road and then into the pasture by the road (which I'm labelling pasture #1), through Becker's forest to the castor tree area, across the pasture (#2) to the "cut over, grazed forest", back through pasture #2 to the field which has been recently plowed (not on original map, I'm drawing it in) and to the airstrip. I returned to the hotel at 12:25.

From 16:20 to 17:40 I recorded around the hotel buildings. A large group of people was arriving at the hotel, and it was difficult at times to hear birds over the people noise. There were very few

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2 September bird species vocalizing, and most of the vocalizations were calls, not songs.

3 September I had planned to start recording early this morning, but decided not to when I noticed soldiers with rifles posted around the hotel. A party was held last night for the wife of the president of Paraguay, and the soldiers were "protecting" her.

At 12:55 I started on the path which leads from the miniature golf course to the dining room area. I then cut across to the gravel pit, and then took Middle Trail and Bamboo Trail back to the hotel area. I then walked around the hotel area until 17:00. The weather was cool, with heavily overcast skies and no wind.

There was very little bird vocalizing going on. On Middle Trail I walked by at least three (seemingly) separate Stephanoxis lalandi lks which were very noisy. Other than ~~that~~^{that}, the only species which were singing consistently were Basileuterus culicivorus and Basileuterus leucoblepharus.

4 September The weather conditions today were

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4 September cool temperatures with a heavily overcast sky. At times there was rain falling, but most often there was a heavy mist.

I was in the field from 07:30 to 11:15 (when the rain got too strong to do any recording). I tried to stay in relatively open areas because the trees were dropping a lot of water. I went from the hotel to the airstrip across the tung orchard to the castor tree area, across the NE portion of Becker's forest to pasture #1, then back to the hotel via the road and airstrip. There were very few birds vocalizing.

5 September Today there was again a heavy mist. In the afternoon the mist lifted, but it was still heavily overcast. Temperatures were cool.

At 07:35 I took the road out of the hotel area and walked down the road to Encarnacion. I then took the road which leads to Becker's forest to the airstrip. From the airstrip I went to the gravel pit, where I spent most the morning (from approximately 08:30 to 12:00).

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5 September

There was a relatively large number of species in the gravel pit area, though most species were singing or calling only briefly and would not respond to playback. After recording in the gravel pit area I walked up the airstrip trail to manakin lek #TV, then turned back and arrived at the hotel at 13:00.

This afternoon I arrived at the gravel pit at 16:00. I stayed in the area for an hour, but the only steady vocalizing I heard was from distant Basileuterus leucoblepharus, Thamnophilus caeruleus and doves. I then went back to the hotel area, where I listened for birds until 17:50.

6 September

From 05:45 to 07:00 I walked around the hotel buildings and down the road to the highway. There was a heavy overcast and the temperature was cool.

From 07:45 to ^{10:45}~~11:00~~ I stayed at the gravel pit. I then walked ^{down} to the airstrip to the tung orchard. I stayed at the tung orchard until 11:30, when I returned to the hotel via the airstrip. I had

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6 September, tried to record a Furnarius rufus and ~~black~~ ^{black} birds in the tung orchard, but the barking dog which patrols the area scared the birds away (his barking will probably be heard on many of the tapes).

The weather began to clear about 09:00, and the remainder of the day had a blue sky with white clouds and warmer temperatures (probably in the low 70°'s). I went out again from 15:15 to 17:45, taking the airstrip to the tung fields and castor tree area. I spent most of my time at the edge of Becker's forest. (The edge of Becker's forest and the gravel pit have so far yielded the best variety of vocalizing birds.) I returned to the hotel going back over the same route.

7 September, Left the hotel at 07:45 today. The sky was heavily overcast, but it was dry in the woods with good visibility. It was relatively warm with slight to medium winds.

I took the path from the miniature

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7 September golf course to the Airstrip Trail, and followed the Airstrip Trail to manakin lek #IV. I stayed in the general area of the manakin lek until 12:00, when I started back to the hotel. The area around manakin lek #IV had more singing and a larger variety of birds than probably any other area I've visited here so far. (This ^{relatively} large amount of singing and variety may be due to the facts that the weather is getting warmer, it's getting to be later in the spring, and I haven't spent that much time inside the forested areas).

I took the same route back to the hotel. When I reached building #1 I noticed White Woodpeckers (Melanerpes candidus) calling from behind the building. I recorded them and then returned to my room at 12:35.

It rained throughout the afternoon so I didn't do any recording.

8 September As I left the hotel at 08:45 today, the weather began to clear. For the rest of the morning there was a blue sky with white clouds. The temperature was warm, and there were

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8 September no to medium winds.

I took the Airstrip Trail after taking the path from the miniature golf course. I then followed the Airstrip Trail to Tree Fern Creek, at which point I took the path to the "cleared fields + house" area. I walked around this area (seeing 2 Melanerpes candidus, a Zonotrichia capensis, a Colaptes campestris and an unidentified Buteo-sized hawk), and then took the same route back to the hotel, returning at 12:25.

9 September At 07:35 I left the hotel. The sky was blue with white clouds, the temperature was warm, and there were slight to medium winds.

I first took the path from the miniature golf course to the Airstrip Trail. While on the Airstrip Trail, I stopped for about an hour at manakin lek #IV. While I was recording a Southern Antpitta (Corythopis delalandi) at lek #IV, Red Johnson came by (he was attracted by the bird's song). I played my recording back, the bird approached, and Red shot the bird (NKT #3952).

Red told me that he had seen a big black catbird singing in the "cleared fields + house"

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9 September

area, so I took the path to that area after I left the lek. I couldn't find the ictirid. I then took the Cross Country Trail, the NE portion of the Loop Trail, and Middle Trail back to the hotel. While on the Cross Country Trail I took a detour to the corn field and walked around its SW portion.

About 14:30 I was in my room when I heard strange sounds outside. I ran out and saw a small (4?) flock of swifts which I couldn't readily identify. Unfortunately, I didn't have time to assemble my recording equipment and record them (and to get a better look at them). Right after this I recorded Thraupis sayaca, the Sayaca Tanager, on the hotel grounds.

At 16:05 I left the hotel once again. At first I walked around the hotel grounds, then took the path from the miniature golf course to the ^{strip} Airport Trail. From about 16:20 to 16:50 I sat in the airstrip looking at the trees on the SE side of the ^{along airstrip} Trail. Mercedes Foster said she had seen

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9 September a number of Euphonia individuals there this morning, and I was interested in recording them and anything else that was vocalizing. I'll describe what I saw in the Turdus spp. species account.

I then walked down the airstrip and back to the hotel. I intended to listen for vocalizations until dark, but the noise of the hotel guests made me give up about 17:45.

10 September

The weather today was clear, with warm (approximately 70-75°F) temperatures and slight to medium winds.

At 08:10 I left the hotel and took the path from the miniature golf course to the Airstrip Trail. I spent almost all the morning in and around the manakin lek #IV. area. At one point I walked down to Fern Creek and walked in the creek bed, looking for rails (I didn't find any). I returned by the same route, and got back to the hotel at 13:30.

At 16:00 I went to the airstrip, and then walked to the gravel pit. I stayed at the gravel pit for about 30 minutes (16:30-17:00), then walked along the various



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10 September paths between the gravel pit and the hotel.
I then sat near the swimming pool near buildings #1 and 2, listening for dusk singers (I only heard short series of thrush songs). I returned to my room at 17:50.

This morning at 07:00 the Gray-breasted Martins (Progne chalybea) were perched in the trees in front of building #1, calling. They were flying around the porches of the rooms and circling the swimming pool in front of the building. This is the first time they have been so visible and vocal in the morning.

11 September The weather today was the same as that of yesterday, only a little warmer.
From 05:45 to 07:30 I took the following route: around the hotel grounds, down the road to the highway, down the highway (to Encarnacion) to the road to Becker's forest, down the road to Becker's to the airstrip, down the airstrip and back to the hotel.

At 08:20 I started out on the Bamboo Trail. I turned back at 09:00 and



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11 September went to Becker's forest via the airstrip. I walked around the NE portion of the forest, mainly looking for an Empidonax euleri which I had heard there before (I found it). I returned via pasture #2 and the airstrip and reached the hotel at 12:00.

At 15:30 I took the airstrip to the tung orchard. I walked across the tung orchards and manioc fields and checked the cow field for Furnarius rufus and ^{black} ~~cow~~ birds (which weren't there). I then walked through the NE portion of Becker's forest and pasture #1. On the way back to the hotel I listened for birds along the road and airstrip and returned at 17:40.

12 September The weather today was similar to that of the past two days, only today the wind was sometimes quite strong.

At 07:40 I started out on the Bamboo Trail, concentrating on locating and recording all Empidonax euleri and Basileuterus culicivorus. I continued the same work on Middle Trail, and

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12 September finished about 10:00.

From 10:00 to about 12:30 I took the Lower Loop, Cross Country and Airstrip Trails and then returned to the hotel.

At 15:40 I took the path from the miniature golf course to the Airstrip Trail, and then walked to manakin lek #IV. I waited at the lek for an hour (from 16:00 to 17:00), but there was very little vocalizing going on. I returned to the hotel via the Cross Country, Loop and Middle Trails, and arrived at 18:00.

13 September

The most memorable thing about today was the weather. It was very windy all day, with the trees being ^{bent with the wind in the area} ~~blown about~~ around the hotel. There were occasional periods of rain and some of sunshine, but mostly the sky was gray. The temperature was quite warm, I'd say in the high 70's.

In the early morning I was discouraged from recording by the strong winds and the periods of rain. At 09:40 I ventured out, however, and took Middle, Loop and Cross Country Trails to the cornfield. I was just about to pursue some birds on the lower

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13 September road when it started to thunder, then pour. I headed back to the trails and got about half way back to the hotel when the sun came out. Since there was still a lot of wind and almost no vocalizing, I decided to go back to the hotel, returning at 11:40 using the route I took to the cornfield.

At 15:30 I checked the mist nets around the hotel to see if they had any Basileuterus in them, and I brought along the recording equipment. The wind was still very strong, and there was very little vocalizing going on. I returned to the hotel around 17:00.

One interesting aspect of this very windy day was that I got to watch the birds soaring high overhead, being carried by the winds. Seen soaring were a Plumbeous Kite (Ictinia plumbeous), 2 Black Vultures (Coragyps atratus) and a flock of Gray-breasted Martins. I saw a Swallow-tailed Kite (Elanoides forficatus) soaring downhill from the hotel.

14 September

Last night we had a thunderstorm with heavy rain. It was raining this morning, so I didn't go out recording.

The rain had stopped by 14:15 when I

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14 September left the hotel. I took the Airstrip and Cross Country Trails to the cornfield, and walked down the lower road. There were some new-sounding vocalizations there, so I would like to go back there. I stayed on the lower road until 17:15, at which time I started on the Cross Country Trail and took the Loop and Middle Trails back to the hotel. I got back to the hotel at 18:00.

While I was out this afternoon the sky was overcast and the temperature was relatively cool. There was drizzling while I was in the cornfield and on the lower road.

15 September

The weather today was warm, with a blue sky and scattered white clouds and no to slight winds.

I left the hotel at ^{about} 07:15 today and took the path from the miniature golf course to the Airstrip Trail. I walked down the Airstrip Trail and the path to the "cleared fields + house" area, recording Basilentemus culicivorus and Empidonax euleri and tagging the areas where I recorded the birds. I returned to the

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El Tirol, 230 m., 19.5 km. NNE by Encarnacion by
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15 September hotel at ^{about} 12:00 after taking the Cross Country Loop, Middle and Bamboo Trails.

At ^{about} 15:00 I left the hotel again. I took a path to the airstrip, then walked the main road to about $\frac{1}{2}$ mile past (SE) Becker's Forest, to the field on the NE side of the road that is bordered by very large eucalyptus trees. I spent most of my time looking into ^{and listening to} the fields along the road, trying to find some different species. There were many Rufous-collared Sparrows ~~also~~ (Zonotrichia capensis) along the road, and their song was by far the most common. I took the same route back to the hotel. ~~and returned at~~

After dinner I left the hotel with Ned Johnson and Anne Jacobberger to look for owls and caprimulgids. Ned called from near the airstrip and ^{from} the gravel pit, but there was no response. We did hear a caprimulgid, but it seemed to be very far off to the NE. We then decided to try the tung orchard, where there was supposed to be Otus.

On the walk over to the tung orchard we talked about how light it was (there was

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15 September a full moon brightly illuminating our way).
When we reached the tung orchard we heard a caprimulgid with a call similar (if not the same) as the one we heard from the gravel pit. As we approached the bird, Red gave a few calls and 2 Otus (probably choliba) approached and sat within 20 ft. of us. Red called some more and I got some recordings of one Otus.

Red tried unsuccessfully to collect the caprimulgid, but I did get some recordings of it. ^(see entry for 20 September) We later pursued some Otus (probably, choliba), with Red calling and me recording and trying playback. I believe I heard 3 Otus calling at once from the tung orchard area.

We then (it was about 23:00 by now) walked to the "cut over, grazed forest" area, and Red tried unsuccessfully to call in other species of owls. As we were walking back, we heard a bird (caprimulgid?) calling from the area where Becker's Forest borders pasture #2, and I recorded it. We got back to the hotel at midnight.

16 September I left the hotel at 07:45, and then took the path from the miniature golf course

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16 September to Middle Trail. I then surveyed the Basileuterus culicivorus and Empidonax euleri on Loop and Cross Country Trails. After I had finished, I took the Airstrip Trail back to the hotel, arriving at 13:15.

At 16:00 I started my period of recording around the hotel. I was most interested in getting recordings of the swifts which have been flying overhead and of Euphonia. The swifts flew over a few times, but were very high and only called briefly. The Euphonia weren't around (or weren't calling). I returned to my room at 18:00.

17 September I started the day at 05:40, walking the area around the hotel, listening for Basileuterus culicivorus and Empidonax euleri. I had completed the hotel grounds and was working on the paths around the hotel when the wind (which had to that point been of medium strength) became very strong, whipping the tree tops about. I gave up the survey at that time, which was 07:30.

At 09:30 I took the path from the miniature golf course area to the Airstrip Trail and then walked the Airstrip Trail. I spent about 45 minutes at manakin lek #IV.



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17 September listening for an Empidonax euleri I had heard near there, but it wasn't vocalizing. It was very quiet there, and what did sing sang only briefly. An exception to this was a Tropical Parula (Parula pitiayumi) which was singing continuously from the tree tops near ^{Tree} Fern Creek.

I took the Cross Country Loop (the part to Bamboo Trail) and Middle Trails back to the hotel, arriving at 12:10. On the way (and earlier in the morning), I checked the 5 nets that are up. The temperature by this time was the warmest it's been here so far (probably in the 80's F).

At 16:30 I took the path to the ~~A~~ area in which they were loading gravel at the airstrip. The wind was still very strong, and almost nothing was vocalizing. I returned to the hotel at 17:45.

18 September

It was very windy today. The temperature was very warm, and it was humid with an overcast sky.

Because of the wind, I did not continue the survey of Basileuterus culicivorus and Empidonax euleri, but instead hiked

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18 September around listening for other species. At 07:45 I left the hotel and took the path to the airstrip. I walked down the airstrip until I reached one of the other paths leading to the hotel, and then walked parallel to the hotel until I reached Middle Trail. I took Middle Trail until I reached the Super Fern Trail, which I took up to the Cross Creek Trail. I had never been on Super Fern Trail before, and recorded a Campephilus robustus and ^{an} unidentified dendrocolaptid there. In general, there seemed to be a relatively large amount of vocalizing going on around that trail, even though the wind was sometimes very strong and whipped the treetops about.

I took the Bamboo Trail back to the hotel, returning at 11:345.

At 15:45 I took the path to the airstrip, and spent until 17:30 in the area in which they were trucking out gravel. The wind was still very strong, and the main vocalizers were the Great Kiskadees (Pitangus sulphuratus), House Wrens (Troglodytes aedon) and ^{Rufous} Chestnut-collared Sparrows.

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9 September

The weather today was like yesterday's.

I left the hotel at 07:35, taking the path from the miniature golf course to Middle Trail. I left Middle Trail at the gravel pit, and walked from the gravel pit to the airstrip. While walking through the gravel pit and airstrip, I listened for Basileuterus culicivorus and Empidonax euleri.

The wind up to that point had been relatively calm, but it started to pick up once I reached the end of the airstrip.

I then walked down the road to Becker's forest. (Anne Jacobberger and Neil Johnson were shooting in the tung orchard and Becker's forest, and the vocalizing of the birds would stop whenever a shot went off.) I walked through the castor tree area to pasture #2, then over to the "cut over, grazed forest." I took the same route back to the hotel, and returned at 13:40.

It started to rain at 15:00 and continued past dark, so I didn't record this afternoon.



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19 September One bit of behavior of breeding record interest today was a Great Kiskadee (Pitangus sulphuratus) carrying a long piece of vegetation (a palm frond?) The bird was carrying the vegetation up to a tree in the row of trees bordering the road in the yard across the road (NE) of the castor trees field. The time was 09:40.

20 September The weather in the morning was cool (approximately 65°F), overcast, with no to slight winds. The woods were very wet due to yesterday's rain.

At 07:45 I left the hotel and took a path from the miniature golf course to Middle Trail. On the way I listened for Basileuterus culicivorus which I recorded before or wanted to record. I took the Super Fern Trail to Cross Creek Trail, listening for Empidonax euleri and Basileuterus culicivorus along the way. I also listened for these species along the Cross Creek Trail and the section of the lower road (off the cornfield) which has forest on both sides.

V. M. Dziedzycki
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20 September

While I was recording along the lower road it started to mist, with the mist getting quite heavy at times. I took the same route back to the hotel, returning at 13:45.

At 15:45 I left the hotel to record on the airstrip. I spent some time banding a Basileuterus culicivorus from the net in the drainage ditch on the way to the airstrip. At the airstrip it was relatively quiet and in terms of birds and quite windy. I returned to the hotel at 18:00.

Today Ned Johnson and Anne Jacobberger collected a ♂ and ♀ Caprimulgus parvulus at the spot where Ned tried to collect the bird that I recorded on 15 September.

21 September

I left the hotel at 07:³⁰~~45~~ and took the path to the airstrip. It was foggy and misty at that time, but by 08:00 it was clear with a blue sky. The temperature was warm, and there were no to medium winds.

At the airstrip I looked at the birds visiting the fruit trees bordering the area in which they were trucking out gravel. I saw B. trogon surrucura there the first ~~of~~ changes sulphureus, Muscivora tyrannus,

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21 September time I've seen that species away from manakin lek #IV. I stayed at the airstrip until 08:30.

From the airstrip I walked down the road to pasture #1. I walked from the pasture to Becker's forest, criss-crossing the forest in search of Basileuterus culicivorus and Empidonax euleri. I then walked through the castor tree area and pasture #2 to the "cut over grazed forest" area. I looked for the two species here and also recorded other birds. I walked back through the pasture (#2) hoping to record ^{a series of} Zonotrichia capensis, but the wind was getting quite strong and was destroying most of the recordings. I then walked back via the castor tree area, road and airstrip, returning at 13:15.

At 15:30 I walked the drainage ditch to the reservoir. There was a small (approximately 10x5 ft.) puddle of water there but none of the herons I had hoped for. I then walked the paths to the gravel pit, but the gravel pit was very quiet. Next I walked Middle and Loop Trails, and returned to the hotel via Middle Trail at 17:45.

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21 September

Anne Jacobberger collected an Empidonax
euleri today ~~near~~ where I recorded one
on September in the "cut over grazed
forest" area. The specimen has ^{Red Johnson's} her catalogue
number 3999. (Anne shot the bird a short
time after I had been in the area and
heard an Empidonax euleri, and I probably
got it in the background of the
Basileuterus culicivorus recording I was
making.) Anne also collected a Myiodynastes
(her specimen number 75) at or near the
spot where I recorded one on
September from pasture #2.

22 September

The temperatures today were the
highest we've had since we've been
here (probably in the high 80's °C). It
was clear with no to medium winds.

At 07:20 I left the hotel and started
on an attempt to record series of 100 songs
from four Basileuterus culicivorus (plus
record any new Empidonax euleri and
any other interesting or needed vocalizers).
I walked around the hotel grounds,
then took Middle Trail, Bamboo Trail,
Middle Trail (again), Loop Trail and
Austrip Trail. I did get 100 songs from



U. M. Dziadosz
1978

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road
Dpto. Itapúa, Paraguay.

September

two birds, but all the others who were singing were either inaccessible or and/or singing only 15-20 songs in their longest series of songs. I returned to the hotel at 12:45.

At 14:30 I left the hotel for the airstrip. I wanted to record a series of Zonotrichia capensis and ^{had} decided that the road to Becker's forest had the most birds. Unfortunately, the road to Becker's forest also had many motorcycles, cars, trucks, horse carts, etc., and it was very difficult to get a recording of a series of songs without having vehicle noise destroy some of the cues. The wind was ^{also} a problem at times, plus many of the birds weren't singing in extended series.

I finally got frustrated at the vehicle noise, and after walking down the road to about $\frac{1}{2}$ mile past pasture #1, I came back to Becker's forest, walked through it, and went into pasture #2. From there I walked through the tung orchard, and then crossed the fence back to the

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1978

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

22 September road around the vicinity of the airstrip.
I walked up the road to its intersection
with the road to Encarnacion, then came
back to the airstrip and the hotel,
arriving at 18:00.

3 September I left the hotel ^{room} at 06:00 today and
walked ~~out~~ the hotel road leading to the
road to Encarnacion. I recorded birds and
saw a species which hasn't been collected
yet by M.V.Z people, the Chestnut-vented
Conebill (Conirostrum speciosum). The cone-
bill was feeding and singing, and was
about 8 ft. off the ground in a small
tree along the ^{hotel} road.

I stopped for breakfast at 07:10, and at
07:30 started off for Middle Trail by
taking the miniature golf course path.
From Middle Trail I took Bamboo Trail,
and then took Super Fern Trail to
Cross Creek Trail. I took Cross Creek
Trail to the cornfield, arriving there
around 11:30 when the sun was beating
down. After recording some birds (and
trying unsuccessfully to record the
swifts which would sporadically fly
overhead), I left the cornfield and re-

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1978

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road
Dpto. Itapúa, Paraguay.

3 September turned to the hotel via Cross Country,
Loop and Middle Trails, arriving at 13:30.

Today I used Mercedes Foster's Sennheiser
MKH 815T microphone and battery adapter.

Yesterday as I was voicing in the data for
the last recording I noticed that there
was static somewhere in the system.

After trying unsuccessfully to use the
microphone after that, I discovered
there was a probable loose connection
in the battery adapter cable.

I did not go out recording in the
afternoon because Gene Schupp was using
Mercedes' microphone and battery adapter.

The weather today was similar to
yesterday's.

24 September The weather today was like that of the
past two days.

I left the hotel at 08:00. I was immediately
attracted by an Empidonax-sounding call
from the area near the drainage ditch
behind building #1. I recorded the bird and
saw it, but it did not look like Empidonax
and its calls were somewhat different.

After recording the above bird, I took the
path from the miniature golf course to the

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1978

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

24 September Airstrip Trail. I followed the Airstrip Trail to Tree Fern Creek, where I took the path to ~~U~~ which leads to the "cleared fields + house" area. I turned back on that path, then took Cross Country, Loop and Bamboo Trails back to the hotel, arriving at 12:45. While walking this route today I removed the tags I had placed along the paths when I had recorded an Empidonax euleri ~~and~~ Basileuterus culicivorus.

From 14:00 to 18:15 I worked around the hotel grounds, making a more detailed map than the one supplied by Mercedes and trying to record three species for which I needed recordings (Euphonia, the area's swift (s?), and a tinamou).

25 September The weather today was like that of the past three days, only it was very windy from about 10:00 to 15:00.

At 06:30 I left my room and walked around the hotel grounds. From then until 08:00 I tried to record birds for which I had few ^{or no} recordings. I continued this task from 08:¹⁵~~00~~ to 10:45, walking to the airstrip (to the road to Becker's forest) and to the gravel pit.

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1978

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

5 September

When I returned to the hotel at 10:45 I heard a Glaucidium brasilianum call and a Red Johnson imitation. I met Red who had been trying unsuccessfully to see the owl. He went back and called the owl some more, but the owl only called a few times. The owl was near where I had recorded one on 3 September, that is SE of the dining hall swimming pool.

^{this afternoon}
While packing, I kept my door open, listening for interesting bird sounds. From 17:15 ~~and~~ to 18:00 I went to the carport behind hotel building #1 and recorded thrushes.

Dziadosz, V. M.

1978

Species acct.

Paraguay

U. M. Dziadosz
1978

Turdus spp.

El Tirol, 230 m., 19.5 km. NNE Encarnación by road,
Dpto. Itapúa, Paraguay.

2 September

At 07:50 I saw a flock of Turdus individuals in the trees ^{and shrubs} on the NW side of the airstrip ^{area}, where they ^(truck drivers) are hauling gravel. There were at least one each of Turdus rufiventris, leucomelas and amaurochalinus. The birds were darting in and out of the vegetation so it was impossible to accurately determine how many birds of each species there were, but I would ~~say~~ estimate that there were at least 20 birds, mostly leucomelas and amaurochalinus. There was no singing and only occasional calls being given.

At about 12:00 I saw some Turdus individuals feeding in the recently plowed field across from the airstrip. I was busy recording at the time, and did not identify the ~~robins~~ ^{thrushes} or count them before they left the field.

So far I have seen Turdus rufiventris and leucomelas most frequently. They both can be found around the Hotel El Tirol buildings, and sometimes are found alongside the swimming

U.M. Dziadosz
1978

Turdus spp.

El Tirol, 230 m., 19.5 km. NNE Encarnación by road,
Dpto. Itapúa, Paraguay.

2 September pools. Although I have both of them give calls from this area, I have only heard snatches of sporadic thrush-like singing, none of which I could pin down to an individual or species.

The only time I saw Turdus amaurochalinus was this morning at the airstrip. Red Johnson described a thrush which was probably Turdus nigriceps. He said he saw it in Becker's forest.

I have also caught glimpses of thrushes in Becker's forest (leucomelas) and in the tung orchard. This morning I saw two possible nigriceps in pasture #1.

3 September I noticed what seemed to be two leucomelas high in the trees on the slope SE of the dining room (I am sure of leucomelas, but not sure there were two). The time was about 13:10. At 17:15 I saw two rufigentris on the ^{rims of the} swimming pools in front of hotel building #1. They were scolding loudly, but I was unable to record them. A few minutes later two rufigentris



U. M. Dziadosz
1978

Turdus spp.

El Tirol, 230 m., 19.5 km. NNE Encarnación by road,
Dpto. Itapúa, Paraguay.

3 September were at the pools again, scolding, and I was unable to record them.

4 September There was still a flock of thrushes at the airstrip at 07:40. At 10:45 I saw a rufiventris in pasture #1. Ned said he thought he heard a thrush singing in Becker's forest this morning. At about 10:50 I heard a thrush-like song coming from Becker's forest (I was in pasture #1), but it was raining heavily and I didn't want to get the recording equipment back to the hotel, so I didn't record it or find out what it was.

5 September The flock of thrushes was at the airstrip at ^{about} 08:00. I heard a thrush-like song coming from the NW at about that time.

I finally recorded a Turdus song this afternoon. The details of the recording are given on the tape.

I doubt that I've heard the song (of Turdus rufiventris) before, or at least I haven't mentioned ^{it} as earlier.

Today Anne Jacobberger shot an amaurochalinus at the airstrip.



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1978

Turdus spp.

El Tirol, 230m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

6 September

I heard a Turdus rufiventris singing to the NE of the Reynaer's house at about 06:50. I would guess that it was the same individual I recorded yesterday.

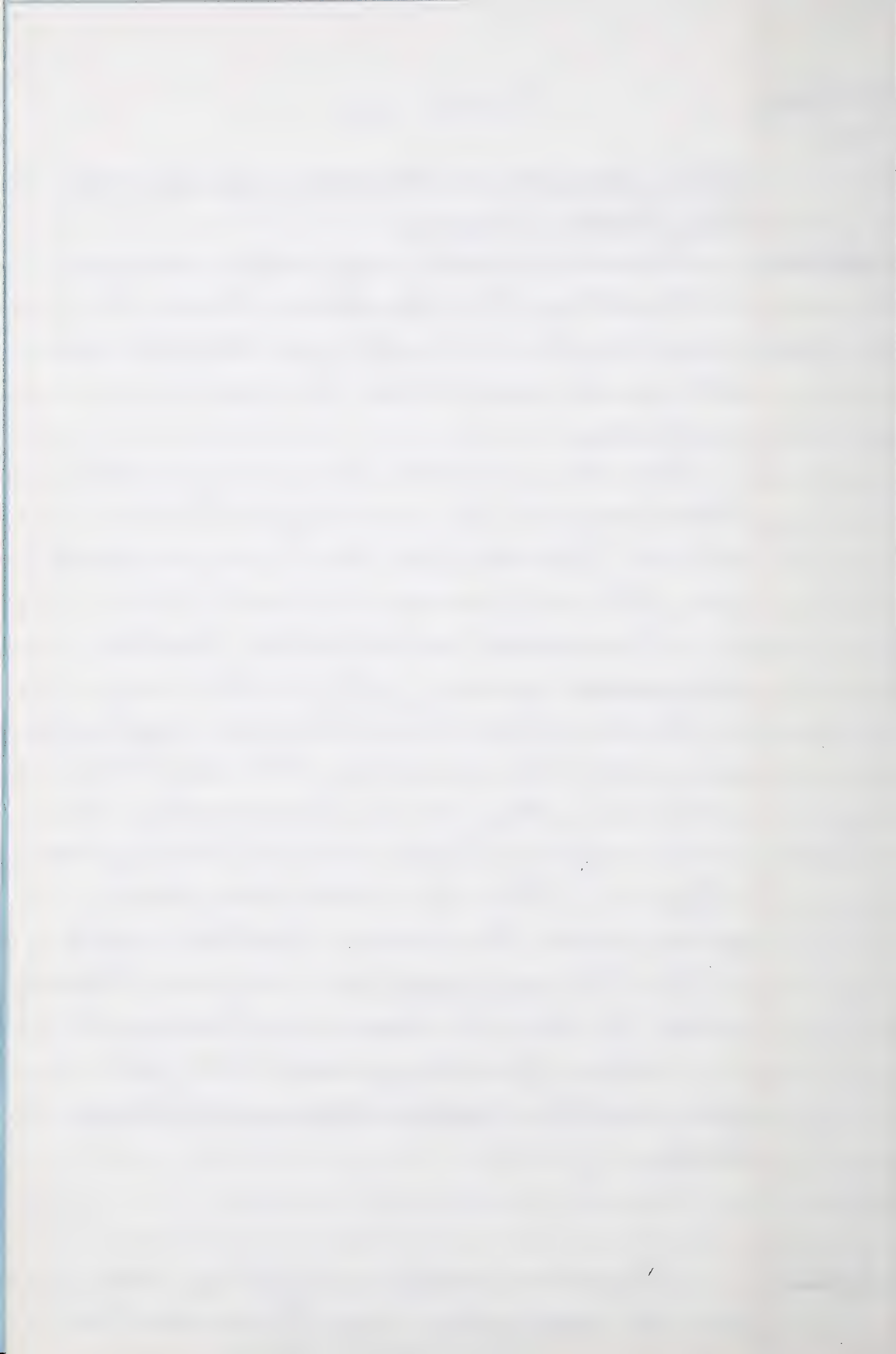
At about 10:55 there were still Thrushes at the airstrip. I also noticed thrushes in the tung orchard in the afternoon, about 17:15.

I recorded a probable Turdus leucomelas giving calls on the edge of Becker's forest. ^{at 17:40} I heard a rufiventris sing at the location behind hotel building #1, where I recorded one last night. I also heard a different type of thrush-like song being given from the same location right after the rufiventris singing stopped, but I don't know what sang it.

Anne Jacobberger and Ned Johnson shot another Turdus amaurochalinus today.

7 September

I recorded a different type of song from the rufiventris song I recorded two



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1978

Turdus spp.

El Tirol, 230 m., 19.5 km. WNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

September days ago in the woods bordering the miniature golf area. I used playback, and got a response from a rufous-bellied thrush (rufiventris or a soiled other species?)

8 September At 12:25 I heard ~~a song~~^{singing} like that I recorded yesterday. This also consisted of songs interspersed with calls.

About 14:00 I saw a leucomelas in the NE corner of Becker's forest. It was motionless and silent on a limb about 15' up in a tree in the middle of the forest.

9 September While at manakin lek #IV today, I saw at least one rufiventris (time: ^{about} 09:00).

In the afternoon I saw a flock of approximately 8 turdids feeding on the small fruits of a tall tree on the SE side of the airstrip right above the Airstrip Trail (16:20 to 16:50).

I saw leucomelas, rufiventris and amaurochaleinus in the flock. Also feeding in the same tree were Cacicus haemorrhous (a flock of about 8 which stayed for only a few minutes) and Tersing viridis. There were approximately 10 Swallow Tanagers, and they dominated



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1978

Turdus spp.

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

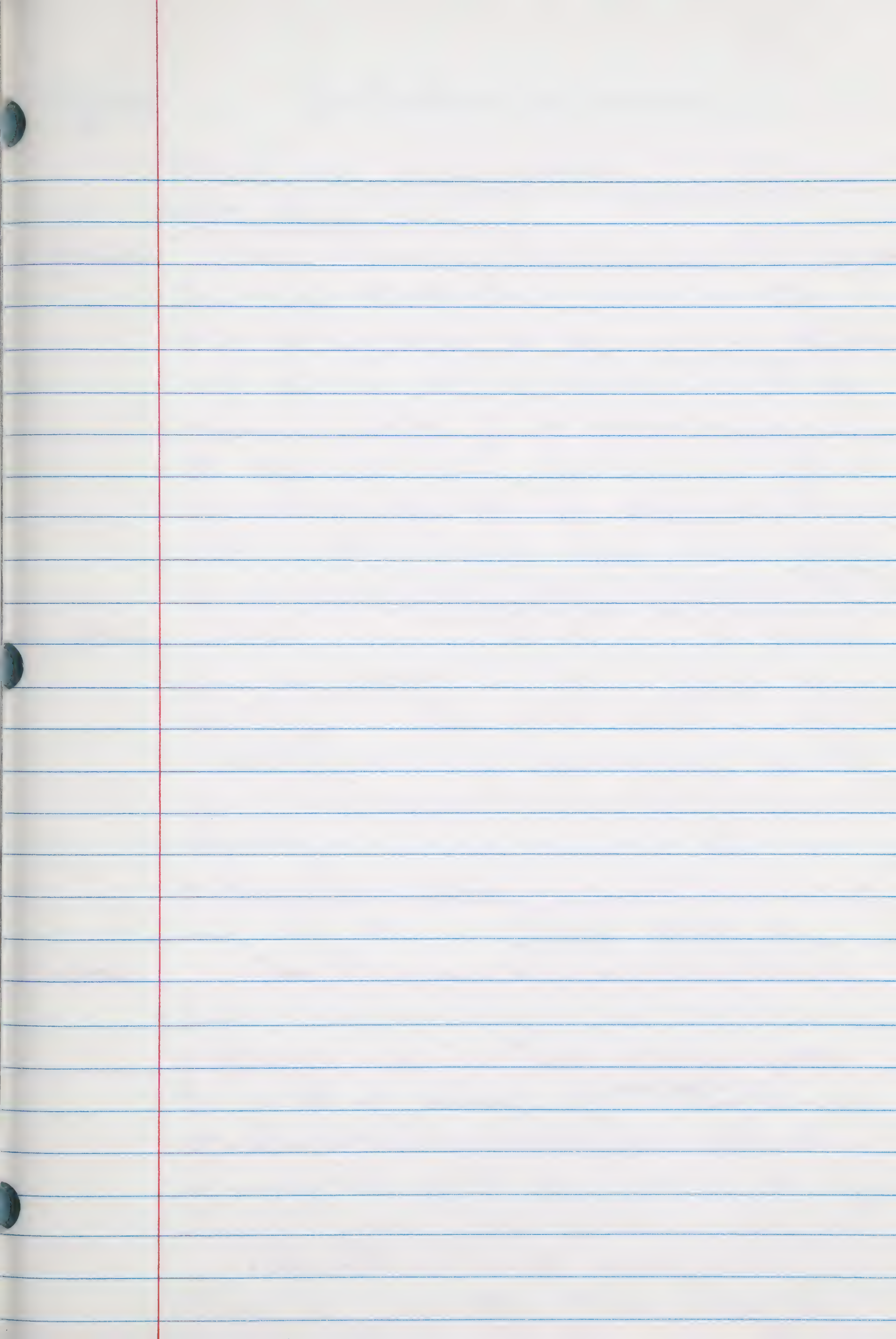
the thrushes. I repeatedly saw thrushes
~~being~~ flying from the tree after being
approached aggressively by a Swallow
Tanager.

Anne Jacobberger and Ned Johnson
have killed a number of thrushes re-
cently. Yesterday Anne shot a rufiventris
and a leucomelas.

10 September

Saw and heard a calling rufiventris
at manakin lek #IV at 09:30.







U.M. Dziadosz
1978

Basileuterus culicivorus

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

12 September Today I censused the birds on the Bamboo Trail and Middle Trail. I found two birds (B1 and B2) on the beginning of Bamboo Trail and one (B3) on Middle Trail (I was surprised not to find a bird singing near the chocolate cookie tree because I have recorded a bird here in the past. I believe that I may have recorded B3 in the past.) I also heard a ~~bea~~ B.c. singing NW of the garbage dump, but wasn't sure it wasn't B1 or B2. Time: 0740-10:00.

15 September Today I censused the birds on the Austrip Trail and path to the "cleared fields + house" area. I found three B.c. (B4, B5 and B6). I heard a fourth bird near manakin lek #IV, but I was unable to record it. I also heard but did not record a bird near E (Empidonax euleri) 6, which is located near Gene Schupp's Cecropia study area.

16 September Today I censused Loop and Cross Country Trails. While recording B7 near the^S intersection of Middle and Loop Trails, I heard another B.c. to the NB, probably B3. (see next page). I then recorded B8, a bird I had heard earlier when I recorded E3 at the same site on the Loop Trail (I believe I heard B3 while recording B8).

When I was at the N^W junction of Middle and Loop Trails I heard two birds,



U. M. Dziadosz
1978

Basileuterus culicivorus

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

16 September

B9 (which I recorded further up Loop Trail, believing it is the same bird I heard near the junction) and a bird singing above where the path crosses Banana Creek. I then walked back down the NE half of the Loop Trail to the Cross Country Trail, where I recorded B10 near the intersection of the path to the cornfield. When I continued walking on down Cross Country Trail I heard a B.c. between B10 and Fern Creek, but I was unable to re-hear B10 to tell if this was a new bird.

I heard two other birds which I did not record: the bird I've previously mentioned at the garbage dump, and the bird (also previously mentioned) at Lek #IV.

Time: 08:30 - ~12:00.

While recording B7 I heard both B3 a probable B3 and the bird I've heard singing from the garbage dump. After I recorded B7 it flew off towards B3's area.



U. M. Dziadosz
1978

Basileuterus culicivorus

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

17 September

I surveyed the area around the hotel, going up and down the path to the road, around the back of the ^{Reynae's} Reinhard's, building #2 and building #1, around the miniature golf course, and then up down the paths surrounding the hotel. I recorded two birds, B11 and B12, and heard another bird singing at the same time to the NW of B11. I was unable to record this other bird because it stopped singing. I was going to survey the airstrip and gravel pit, but it became too windy. I think the wind was a problem when I surveyed the paths, for a bird I found at the garbage dump-airstrip path intersection was singing only very sporadically and the bird I heard singing on the path to the drainage ditch yesterday was not singing at all.

I then walked the Airstrip, Cross Country, Loop and Middle Trails. I recorded a bird I had previously heard near the place where the cornfield path leaves the Cross Country Trail.

17 September
one after.



U. M. Dziadosz
1978

Basileuterus culicivorus

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

8 September

Found an unbanded bird in the mist net behind the hotel at 07:30. The bird escaped before I could band it.

I heard birds B11 and B12 from behind the hotel at 07:30. I walked by the area at which I had heard a bird previously, the area in which the paths lead to the drainage ditch and miniature golf course, and I recorded that bird (B13). The bird near the net near the garbage dump-airstrip path intersection path was singing only sporadically, probably due to wind conditions. I didn't record it.

I had wanted to continue my survey of B.c., but it was too windy. Instead I walked to the Super Fern Trail via Middle Trail, hearing B3 and B9 on the way. I recorded a bird below the chocolate cookie tree (B14). This is ~~probably~~ ^{possibly} the bird I recorded weeks ago at that location and may be the bird I heard calling near Banana Creek recently.

On Super Fern Trail I heard a B.c. but didn't record it. On the way back to the hotel I heard B2.



U. M. Dziadosz
1978

Basileuterus culicivorus

El Inol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

9 September

Once again it was very windy today, but instead of putting off censusing B.c. for yet another day I decided to try doing the gravel pit and airstrip, ^{and possibly Becker's forest.} On the way to the gravel pit (via the miniature golf course path and Middle Trail), I checked on birds B12, B13, ^{and} the one near the junction of the path to the airstrip. I heard B12.

I recorded one bird (B15) on one of the temporary roads on the NW side of the airstrip. At about this time I started having problems (I misthread the tape!) and had to re-record the bird, but I was only able to get 15 cues in my first attempt.

The wind began to pick up about this time, so I decided to give up the formal census and walk to Becker's forest. I did hear two B.c. in the "cut over grazed area", both off the path from the SE side of pasture #2. I had recorded one of them, but the microphone batteries weren't functioning. I will try to record them soon.

20 September

I left the hotel today hoping that the weather (cool, overcast) and the wet forest wouldn't disastrously affect my censusing.

U. M. Dziadosz
1978

Basileuterus culicivorus

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road
Dpto. Itapúa, Paraguay.

20 September of B.C. I would have liked to put it off until a day with better weather, but we only have less than a week left here and the weather hasn't been good recently.

I decided to census Super Fern and Cross Creek Trails and part of the corn field area. On the way (via the hotel, miniature golf course, Middle Trail and Bamboo Trail), I listened for B11, B12, B13, B3, B9 and B14. I heard B11, B12, B13, B13, possibly B9 (I heard a bird near Banana Creek while I was near B14) and B14.

I spent some time investigating the bird at the junction of the path parallel to the miniature golf course and the path to the airstrip. When this bird was singing I didn't hear B13, but after it stopped singing B13 could be heard. I would think this casts doubt on there being two birds here. I recorded the bird at the garbage dump (B16).

The recording and censusing today was quite depressing because it was very hard to locate B.C. and the birds that were singing were singing for only short series. I heard a bird near

V. M. Dziadosz
1978

Basileuterus culicivorus

El Tirol, 230 m., 19.5 km. NNE Encarnación by road,
Dpto. Itapúa, Paraguay.

20 September the junction of Super Fern Trail and Cross Creek Trail and sw up the creek.

This is probably the bird I heard at the same location on 18 September.

I recorded "two" birds (B17 and B18) near the beginning of the lower road. I am not certain that there are not the same bird because they were within 200' of each other and I could not be certain that I heard them singing at the same time. (While I recorded these birds there was a mist-like rain)

On the way back, I heard a number ^(fewer than four) of B.c. along the cornfield and Cross Creek Trail. It was very difficult to judge how many separate birds there were because most of them were singing only a few songs. I also heard the bird I heard earlier in the morning at Super Fern Trail and Cross Creek Trail, but it was far off and not singing consistently.

Walking back to the hotel I heard B16 and B2, but not B1.

21 September

With some windy but clear weather

U. M. Dziadosz
1978

Basileuterus culicivorus

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

21 September I censused Becker's forest and the "cut over
grazed" area. On the way to these areas I
went by the areas for birds B11, B12, and
B15, and heard all three.

At Becker's forest there were no B.c.
singing, though I did see a pair feeding
near the spring. In the "cut over grazed
forest" area I recorded one of the ^{two} birds
I had heard there on 19 September (B19)
but the other bird was not obvious. I
afterwards heard a bird singing from halfway be-
tween B19 and where I had heard the
other bird, so things were confusing. While
I was recording B19 I thought I heard
another bird singing from the general
area of where I heard the other bird on
19 September, but I could never hear two
birds at once again (part of the reason
for that may have been that someone was
shooting birds in the immediate area).

In the afternoon I recorded at bird
at the reservoir, a bird I think may be
B15 due to its location. While recording
I believe I could hear B11 in the
background.

22 September Today was my day to get long series

U. M. Dziadosz
1978

Basileuterus culicivorus

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

22 September of songs from B. c. I started off by easily getting (after recording an earlier 100 songs) a series of 100 from B12. I then went to B3 and got 100. From then on it was frustration, however. I tried getting series of 100 from B14 (many times), B9, B1, B10, B13 and a B. c. from above lek IV (B6?). The birds were singing ^(B14, B9, B10, B13) series of ^(B1) maybe 20 songs, or were inaccessible, or would fly off during the series and become inaudible. ^(B6?)

Besides the above birds I also heard B11. I went by and did not hear B16, B7, B6(?), and B5. I went by the last two birds around noon, though, and it was very hot.

I heard a new(?) bird near Eulési Creek and Loop Trail's meeting point. It was ^{singing} ~~calling~~ from NE of this point.

23 September I started off the day at 06:00 and walked down the hotel road to the road to Encarnacion. On the way I heard birds B11 and B12. At the junction of the hotel road and the road to Encarnacion



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1978

Basileuterus culicivorus

El Inol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

23 September I heard a B.c. singing from the direction of the reservoir. Assuming that this was probably the reservoir bird, which I'm assuming is, ^{probably} the same as B15, I did not record it.

At 07:30 I took the path from the miniature golf course. I did not hear a bird in B13's location, but I did hear and record a B.c. about half way between that location and where I've heard a bird at the junction with the path to the airstrip.

I then walked to the ^{garbage dump} gravel pit, where I took down the tag for B16 but did not hear the bird (I started taking down all the tags today and not putting up tags for newly-recorded birds). I then walked down Middle Trail, where I heard B3, but not B7 or B9.

On Bamboo Trail I recorded a series of 110 songs from B14 (or a bird at that location). In the background I could hear a bird singing from somewhere near the beginning of Super Fern Trail and another bird singing further W on Bamboo Trail. After I finished recording the series, I walked down

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1978

Basileuterus culicivorus

El Tirol, 230m, 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

23 September

Super Fern and Cross Creek Trails, where
the first B.c. I heard was ^{on Cross Creek Trail} B20. I walked
farther down Cross Creek Trail and
heard two B.c. I was not sure if the
one furthest to the NW was not B20, so
I recorded the one further SE (B21).
I believe that the bird to the NW
was likely another bird, though.

When I walked through the
cornfield (after leaving Cross Creek Trail)
I heard a bird which I recorded (B22).
In the background I could briefly
hear a B.c. singing, a bird which
might be B17.

While returning to the hotel I
passed by ^{the locations in which I recorded} B10 and B8 and heard B10.

24 September

Today I was trying to get series of
birds (Red-eyed Vireos in particular), new
species and Empidonax recordings, and
not really concentrating on Basileuterus.
I did hear B11, B12, B4, B5(?), B10, B14
and B2, and did not hear B6, B9 and
B1. I also ^{probably} heard the bird I've ^{probably}
heard before near B6, but I did not
record it. Between B6 and B10 I came
across two B.c. giving ~~some~~ ^{the} typical B.c.

U. M. Dziadosz
1978

Basileuterus culicivorus

El Tirol, 230 m., 19.5 km. ± NNE Encarnación by road,
Dpto. Itapúa, Paraguay.

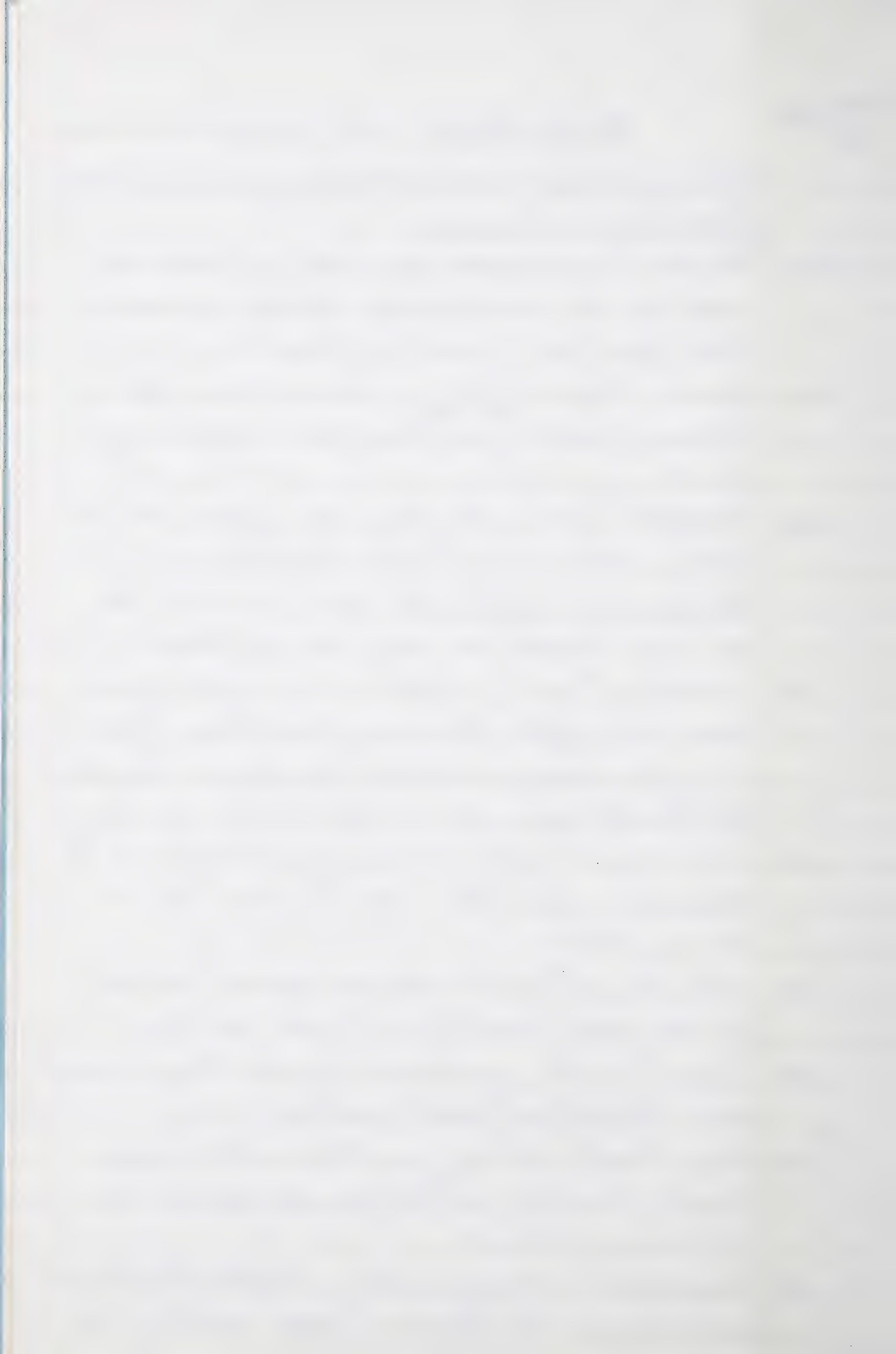
24 September call, but one of the birds was also giving a high, tinkling call. I recorded a series of these calls. Both birds ~~were giving these calls~~ calling when I approached, and called from a few feet above me when I recorded them. They were moving around quite nervously, and became more frantic when I played back a few calls.

U. M. Dziadosz
1978

Basileuterus culicivorus numbers

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

- B1 Bamboo Trail - open area NE of bananas - red tag on vine around large sycamore-like tree - on E side of trail.
- B2 Bamboo Trail - SW of sharp turn to Elosine Creek - ^{red tag} on vine on E side of trail.
- B3 Middle Trail - on upgrade (from NE) between segments of Loop Trail (near Stephanoxis lalandi lek) - blue tag on vine limb on NW side of trail.
- B4 Airstrip Trail - flat area after first descent after leaving airstrip (near a nearly-always calling Empidonax euleri) - ^{red tag} on small sprout on NW side of trail.
- B5 Airstrip Trail - SW of final descent to manakin lek #IV - red tag on tree on SE of trail.
- B6 Airstrip Trail - above spring which leads into Tree Fern Creek - no tag.
- B7. Loop Trail - junction of NW Loop Trail and Middle Trail - no tag.
- B8. Loop Trail - SW of junction with Cross Country Trail - red tag on small tree on SE side of trail.
- B9. Loop Trail - SE of junction with Middle Trail and descent to Banana Creek - red tag on



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1978

Basileuterus culicivorus numbers

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
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B9 (cont.) vine on NE side of trail.

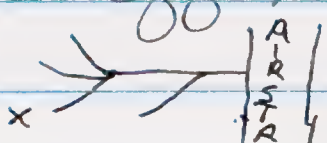
B10. Cross Country Trail - near junction of path to cornfield - red tag on small tree on NE side of trail (bird was $\approx 50'$ off to SW)

B11 Hotel El Tirol grounds - NW of carport and woodpile behind building #1 - no tag.

B12 Hotel El Tirol grounds - drainage ditch behind building #1 - no tag

B13 Hotel El Tirol grounds - path from miniature golf course to airstrip - blue tag on small tree on NE side of path.

B14 Bamboo Trail - $\approx 30'$ SE of chocolate cookie tree - blue tag on small tree on SW side of trail.

B15 airstrip - road off NW side of flat gravel area  - blue tag on

small tree on N side of road's end.

B16 garbage dump - E entrance - blue tag on small tree on NW side of path.

B17 lower road (from cornfield) - immediately after road leaves cornfield - in forest on SE side of road - blue tag on small tree on NW side of road.

B18 lower road - 50 yds. down the road from B17 - in forest on NW side of road - no tag.

U. M. Dziadosz
1978

Basileuterus culicivorus numbers

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,
Dpto. Itapúa, Paraguay.

B19 "cut over grazed area" near Becker's forest -
near barbed-wire fence to SW of main
water holes - blue tag on small tree near
stones used for crossing over creek

t. B20 Cross Creek Trail - about half way between
creek and cornfield - bird off about 40 ft.
to SW - no tag.

B21 Cross Creek Trail - about 30' from tung
field bordering cornfield - off small
trail to NE, about 30' from Cross Creek
Trail - no tag.

B22 cornfield - N^E side of cornfield about
100' from E corner - no tag.

V. M. Dziadosz
1978

Basileuterus banding record

El Tirol, 230 m., 19.5 km. NNE Encarnacion by road,

Dpto. Itapúa, Paraguay,

9 September Basileuterus leucoblepharus - probable ♂ ^{(cloacal} protuberance
(knee) (toe)

green purple - right leg - banded by M. Foster

near "chocolate cookie" tree on Bamboo Trail

13 September Basileuterus leucoblepharus - probable ♂ ^{(cloacal} protuberance

black red - right leg - banded by M. Foster

Euleri Creek off Loop Trail

14 September Basileuterus leucoblepharus

orange orange - right leg - bird weak when released

drainage ditch behind El Tirol building #1

15 September Basileuterus culicivorus

yellow yellow - right leg

drainage ditch behind El Tirol building #1

20 September Basileuterus culicivorus

red red - right leg - bird weak when released

drainage ditch behind El Tirol building #1

